

FEB 17 1982

DPM 5065

DPM 3332

CYANAMID

## MATERIAL SAFETY DATA SHEET

NUMBER

378

(Approved by U.S. Department of Labor as "essentially similar" to Form LSB-00S-4)

## SECTION I IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME <b>AMERICAN CYANAMID COMPANY</b>		EMERGENCY TELEPHONE NO. <b>(201) 835-3100</b>
ADDRESS <b>Old Post Road, Havre de Grace, Maryland 21078</b>		
TRADE NAME AND SYNONYMS <b>HT-424 Adhesive Film</b>		
CHEMICAL NAME AND SYNONYMS <b>Mixture of resins and powdered metal</b>		
CHEMICAL FAMILY <b>(Mixture)</b>	MOLECULAR FORMULA <b>(Mixture)</b>	

## SECTION II HAZARDOUS COMPONENTS OF MIXTURES

COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)	COMPONENT	%	THRESHOLD LIMIT VALUE (UNITS)
No TIV has been established for any component of this mixture.					

## SECTION III PHYSICAL DATA

APPEARANCE AND ODOR <b>Grayish-green, tacky film; slight, phenolic odor</b>			
BOILING POINT (DEGREES FAHRENHEIT)	<b>Not applicable</b>	SPECIFIC GRAVITY (WATER = 1)	<b>About 1.5</b>
VAPOR PRESSURE (MM. OF MERCURY)	<b>Not applicable</b>	PERCENT VOLATILE (BY VOLUME)	<b>About 5</b>
VAPOR DENSITY (AIR = 1)	<b>Not applicable</b>	EVAPORATION RATE (BUTYL ACETATE = 1)	<b>Not applicable</b>
SOLUBILITY IN WATER	<b>Negligible</b>	EVAPORATION RATE (ETHYL ETHER = 1)	<b>Not applicable</b>

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SPECIFY METHOD) (DEGREES FAHRENHEIT)	<b>Not applicable</b>	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LOWER: <b>Not applicable</b>	UPPER: <b>Not applicable</b>
FIRE-EXTINGUISHING MEDIA <b>Water</b>				
SPECIAL FIRE-FIGHTING PROCEDURES <b>None</b>				
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>None</b>				

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SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	Not applicable
EFFECTS OF OVEREXPOSURE	None expected
EMERGENCY AND FIRST AID PROCEDURES	None required. Ordinary measures of personal hygiene should be adequate.

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Unstable only from a useful working-life standpoint. Material is warranted for 6 months when stored at 0 F
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)		No specific incompatibility	
HAZARDOUS DECOMPOSITION PRODUCTS		Thermal decomposition may produce carbon monoxide and/or carbon dioxide.	
HAZARDOUS POLYMERIZATION	WILL OCCUR		CONDITIONS TO AVOID None
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Not applicable	
WASTE DISPOSAL METHOD	
Incinerate or bury in a landfill	

SECTION VIII SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		Ventilation control must be provided during curing. Provide adequate ventilation or cure in a hood or autoclave.	
VENTILATION	LOCAL EXHAUST	Preferable	SPECIAL None
	MECHANICAL (General)	Acceptable	OTHER None
PROTECTIVE GLOVES		Not required	EYE PROTECTION Safety goggles
OTHER PROTECTIVE EQUIPMENT			
Not required			

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
None	
OTHER PRECAUTIONS	
None	

SECTION X DATE AND SOURCE OF INFORMATION			
DATE	NAME AND TITLE	SHEET NUMBER	
June 27, 1972	C. Boyd Shaffer, Ph.D. Director of Toxicology	378	